RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/579,690
Source:	TEWP.
Date Processed by STIC:	05/31/2006
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ENTERED



IFWP

1. 35

RAW SEQUENCE LISTING DATE: 05/31/2006
PATENT APPLICATION: US/10/579,690 TIME: 13:31:55

Input Set .: E:\SEQUEST.txt

Output Set: N:\CRF4\05312006\J579690.raw

```
4 <110> APPLICANT: BASF AKTIENGESELLSCHAFT et al.
      6 <120> TITLE OF INVENTION: METHODS FOR THE PREPARATION OF LYSINE BY
              FERMENTATION OF CORYNEBACTERIUM GLUTAMICUM
     10 <130> FILE REFERENCE: BGI-158PC2
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/579,690
C--> 13 <141> CURRENT FILING DATE: 2006-05-18
     15 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/006456
     16 <151> PRIOR FILING DATE: 2003-12-18
     18 <160> NUMBER OF SEQ ID NOS: 24
     20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     22 <210> SEQ ID NO: 1
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     24 <212> TYPE: DNA
     25 <213> ORGANISM: Corynebacterium glutamicum
     27 <220> FEATURE:
     28 <221> NAME/KEY: CDS
     29 <222> LOCATION: (22)...(1029)
     31 <400> SEQUENCE: 1
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     33
                                Met Asn Leu Lys Asn Pro Glu Thr Pro Asp
     34
                                                  5
     36 cgt aac ctt gct atg gag ctg gtg cga gtt acg gaa gca gct gca ctg
                                                                           99
     37 Arg Asn Leu Ala Met Glu Leu Val Arg Val Thr Glu Ala Ala Ala Leu
     40 gct tct gga cgt tgg gtt gga cgt ggc atg aag aat gaa ggc gac ggt
                                                                           147
     41 Ala Ser Gly Arg Trp Val Gly Arg Gly Met Lys Asn Glu Gly Asp Gly
                     30
                                         35
     44 gcc gct gtt gac gcc atg cgc cag ctc atc aac tca gtg acc atg aag
                                                                           195
     45 Ala Ala Val Asp Ala Met Arg Gln Leu Ile Asn Ser Val Thr Met Lys
                 45
                                     50
     48 ggc gtc gtt gtt atc ggc gag ggc gaa aaa gac gaa gct cca atg ctg
                                                                           243
     49 Gly Val Val Ile Gly Glu Gly Glu Lys Asp Glu Ala Pro Met Leu
                                 65
     52 tac aac ggc gaa gag gtc gga acc ggc ttt gga cct gag gtt gat atc
                                                                           291
     53 Tyr Asn Gly Glu Glu Val Gly Thr Gly Phe Gly Pro Glu Val Asp Ile
     54 75
                             80
                                                  85
     56 gca gtt gac cca gtt gac ggc acc acc ctg atg gct gag ggt cgc ccc
                                                                           339
     57 Ala Val Asp Pro Val Asp Gly Thr Thr Leu Met Ala Glu Gly Arg Pro
                         95
                                             100
                                                                           387
     60 aac gca att tcc att ctc gca gct gca gag cgt ggc acc atg tac gat
     61 Asn Ala Ile Ser Ile Leu Ala Ala Ala Glu Arg Gly Thr Met Tyr Asp
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64 cca tcc tcc gtc ttc tac atg aag aag atc gcc gtg gga cct gag gcc

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	68	_		aag Lys		_		_	_		_	_						483
A Section	72 73.		gca	aag Lys				atc					gtc					531
	76	ctt	_	cgt Arg		_	cac		_	_		gca	_		-	_	gca	579
	80			aag Lys		cgt					ggc					gca		627
	84			gct Ala 205	cag					gtg					ggc			675
Sugar Alter	88			cca					act					aag				723 •
	92 93		gaa	atc Ile				ctg					gat					771
	96	aag		cac His			ggt					cag					aac	819
	100	l Ası				tco Ser					tto Phe					gto Val	g acc l Thr	867
	104	aa Ası			ato Met	cto				l Sei					ı Gly		a acc a Thr	915
	108	aco Thi		t tcc g Ser	ctg				g gca g Ala	a aag				: Ile			c atc s Ile	963
	112 113	gaç	g tot u Sei	gto			_	Sei	_	-	-		туз			_	t gac l Asp 330	1011
	116	tao Ty:	c acc	c acc			: *	gag	gctct	tag	ttcg	gaaaa	aac (egeeg	ggcca	at		1059
	122	2 <2	10> 8	cggc SEQ I LENGI	D NO													1070
	124 <212> TYPE: PRT 125 <213> ORGANISM: Corynebacterium glutamicum 127 <400> SEQUENCE: 2																	
		Me					n Pro	Glu	ı Thi	r Pro	Asp 10	o Arg	g Ası	ı Leı	ı Ala	15	t Glu	

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130 Leu Val Arg Val Thr Glu Ala Ala Ala Leu Ala Ser Gly Arg Trp Val 25 132 Gly Arg Gly Met Lys Asn Glu Gly Asp Gly Ala Ala Val Asp Ala Met 134 Arg Gln Leu Ile Asn Ser Val Thr Met Lys Gly Val Val Val Ile Gly 136 Glu Gly Glu Lys Asp Glu bla Pro Met Leu Tyr Asn Gly Glu Glu Val, ... 138 Gly Thr Gly Phe Gly Pro Glu Val Asp Ile Ala Val Asp Pro Val Asp 140 Gly Thr Thr Leu Met Ala Glu Gly Arg Pro Asn Ala Ile Ser Ile Leu 141 100 105 142 Ala Ala Glu Arg Gly Thr Met Tyr Asp Pro Ser Ser Val Phe Tyr 115 120 144 Met Lys Lys Ile Ala Val Gly Pro Glu Ala Ala Gly Lys Ile Asp Ile 135 146 Glu Ala Pro Val Ala His Asn Ile Asn Ala Val Ala Lys Ser Lys Gly 150 155 148 Ile Asn Pro Ser Asp Val Thr Val Val Val Leu Asp Arg Pro Arg His 🛵 🙉 🎉 170 150 Ile Glu Leu Ile Ala Asp Ile Arg Arg Ala Gly Ala Lys Val Arg Leu 180 185 152 Ile Ser Asp Gly Asp Val Ala Gly Ala Val Ala Ala Gln Asp Ser 200 154 Asn Ser Val Asp Ile Met Met Gly Thr Gly Gly Thr Pro Glu Gly Ile 215 156 Ile Thr Ala Cys Ala Met Lys Cys Met Gly Gly Glu Ile Gln Gly Ile 230 235 158 Leu Ala Pro Met Asn Asp Phe Glu Arg Gln Lys Ala His Asp Ala Gly 245 250 160 Leu Val Leu Asp Gln Val Leu His Thr Asn Asp Leu Val Ser Ser Asp 265 162 Asn Cys Tyr Phe Val Ala Thr Gly Val Thr Asn Gly Asp Met Leu Arg 275 280 285 164 Gly Val Ser Tyr Arg Ala Asn Gly Ala Thr Thr Arg Ser Leu Val Met 166 Arg Ala Lys Ser Gly Thr Ile Arg His Ile Glu Ser Val His Gln Leu 310 315 168 Ser Lys Leu Gln Glu Tyr Ser Val Val Asp Tyr Thr Thr Ala Thr 172 <210> SEQ ID NO: 3 173 <211> LENGTH: 35 174 <212> TYPE: DNA 175 <213> ORGANISM: Artificial Sequence 177 <220> FEATURE: 178 <223> OTHER INFORMATION: Synthetic construct 180 <400> SEQUENCE: 3 181 gagagagaga cgcgtcccag tggctgagac gcatc 35 183 <210> SEQ ID NO: 4

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     186 <213> ORGANISM: Artificial Sequence
     188 <220> FEATURE:
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スプラップ92 ctctctctgt cgacgaattc aatcttacgg cctgm (中央の主義で
                                                                          34
     194 <210> SEQ ID NO: 5
     195 <211> LENGTH: 4323
     196 <212> TYPE: DNA
     197 <213> ORGANISM: Corynebacterium glutamicum
     199 <400> SEQUENCE: 5
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     201 tategtegae ategatgete ttetgegtta attaacaatt gggateetet agaceeggga 120
     202 tttaaatcgc tagcgggctg ctaaaggaag cggaacacgt agaaagccag tccgcagaaa 180
     203 cggtgctgac cccggatgaa tgtcagctac tgggctatct ggacaaggga aaacgcaagc 240
     204 gcaaagagaa agcaggtagc ttgcagtggg cttacatggc gatagctaga ctgggcggtt 300
     205 ttatggacag caagcgaacc ggaattgcca gctggggcgc cctctggtaa ggttgggaag 360
     206 coctgoaaag taaactggat ggotttottg cogcoagga totgatggeg caggggatea 420
  207 agatetgate aagagacagg atgaggateg tttegeatga ttgaacaaga tggattgeac 480
     208 gcaggttctc cggccgcttg ggtggagagg ctattcggct atgactgggc acaacagaca 540
     209 ateggetget etgatgeege egtgtteegg etgteagege aggggegeee ggttettttt 600
     210 gtcaagaccg acctgtccgg tgccctgaat gaactgcagg acgaggcagc gcggctatcg 660
     211 tggctggcca cgacgggcgt tccttgcgca gctgtgctcg acgttgtcac tgaagcggga 720
     212 agggactggc tgctattggg cgaagtgccg gggcaggatc tcctgtcatc tcaccttgct 780
     213 cctgccgaga aagtatccat catggctgat gcaatgcggc ggctgcatac gcttgatccg 840
     215 gaagceggte ttgtegatea ggatgatetg gacgaagage atcagggget egegecagee 960
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     235 tacggctaca ctagaaggac agtatttggt atctgcgctc tgctgaagcc agttaccttc 2160
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237 tttqtttgca agcaqcagat tacgcgcaga aaaaaaggat ctcaagaaga tcctttgatc 2280
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239 agattatcaa aaaggatctt cacctagatc cttttaaagg ccggccgcgg ccgccatcgg 2400
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270 gcataaagtt gcctttttaa tcacaattca gaaaatatca taatatctca tttcactaaa 4260
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282 aactgtcagc acgtagatcg aaaggtgcac aaaggtggcc ctggtcgtac agaaatatgg 180
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VERIFICATION SUMMARY

DATE: 05/31/2006

PATENT APPLICATION: US/10/579,690

TIME: 13:31:56

Input Set : E:\SEQLIST.txt

Output Set: N:\CRF4\05312006\J579690.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date